```
Items
 Set
                 Description
         18159
                 BORDETELLA (1W) BRONCHISEPTICA
 S1
 S2
            22
                 S1 AND P68
 S3
            22
                 RD
                     (unique items)
 ? t s3/3, ab/1-22
 >>>No matching display code(s) found in file(s): 65, 129, 135, 180, 342,
    345, 390, 398, 452-453, 764
  3/3, AB/1
               (Item 1 from file: 398)
 DIALOG(R) File 398: Chemsearch
 (c) 2006 Amer.Chem.Soc. All rts. reserv.
 CAS REGISTRY NUMBER: 735855-89-7
   MOLECULAR FORMULA: Unknown
   CA NAME(S):
     HP=Antigen p68 (Bordetella bronchiseptica isoform) (9CI)
   SYNONYMS: Outer membrane protein p68 (Bordetella bronchiseptica isoform);
     Pertactin p68 (Bordetella bronchiseptica isoform); 3: PN: WO2004067031
     SEQID: 3 claimed protein
  3/3, AB/2
               (Item 2 from file: 398)
 DIALOG(R) File 398: Chemsearch
 (c) 2006 Amer.Chem.Soc. All rts. reserv.
 CAS REGISTRY NUMBER: 735855-88-6
   MOLECULAR FORMULA: Unknown
   CA NAME(S):
     HP=DNA (Bordetella bronchiseptica antigen p68 gene) (9CI)
   SYNONYMS: DNA (Bordetella bronchiseptica outer membrane protein p68 gene)
     ; 2: PN: WO2004067031 SEQID: 2 claimed DNA
  3/3, AB/3
               (Item 3 from file: 398)
 DIALOG(R) File 398: Chemsearch
 (c) 2006 Amer.Chem.Soc. All rts. reserv.
 CAS REGISTRY NUMBER: 735847-95-7
   MOLECULAR FORMULA: Unknown
   CA NAME(S):
     HP=Antigen p68 (Bordetella bronchiseptica) (9CI)
   SYNONYMS: Outer membrane protein p68 (Bordetella bronchiseptica);
     Pertactin p68 (Bordetella bronchiseptica); 1: PN: WO2004067031 SEQID: 1
     claimed protein
  3/3, AB/4
               (Item 1 from file: 654)
 DIALOG(R) File 654:US Pat. Full.
 (c) Format only 2006 Dialog. All rts. reserv.
 6805810
 UTILITY
 Formulations and process for production of %Bordetella% %bronchiseptica%
 %P68% antigen and vaccines
 Inventor: Dominowski, Paul J., Hickory Corners, MI, US
           Frantz, Joseph C., Nazareth, PA, US
           Krebs, Richard L., Ashland, NE, US
           Shields, Shelly L., Plainwell, MI, US
           Sorensen, Robert Greg, Lincoln, NE, US
           Galvin, Jeffrey E., Mattawan, MI, US
· Assignee: Unassigned
 Correspondence Address: PHARMACIA & UPJOHN, 7000 Portage Road, KZO-300-104,
     KALAMAZOO, MI, 49001, US
```

	Publication			Application	Filing
•	Number	Kind	Date	Number	Date
•					
Main Patent	US 20060251674	A1	20061109	US 2006393602	20060330
Provisional				US 60-669277	20050407

Fulltext Word Count: 14256

#### Abstract:

[00000] The present invention comprises new formulations and a process for making such formulations for vaccine compositions comprising a %Bordetella% %bronchiseptica% %p68% antigen.

3/3,AB/5 (Item 2 from file: 654)
DIALOG(R)File 654:US Pat.Full.
(c) Format only 2006 Dialog. All rts. reserv.

6077534

Derwent Accession: 2004-580858

UTILITY

Canine vaccines against %Bordetella% %bronchiseptica%

Inventor: Frantz, Joseph, Denton, NE, US

Tucker, Cassius McAllister, Kalamazoo, MI, US

Newby, Thomas Jack, Bennet, NE, US

Assignee: Unassigned

Correspondence Address: Timothy J. Gumbleton; Pfizer, Inc., 301 Henrietta

Street, Kalamazoo, MI, 49007, US

	Publication Number	Kind	Date '	Application Number	Filing Date
Main Patent CIP Provisional	US 20050089533 PENDING	 A1	20050428	US 2004959757 US 2004767809 US 60-443418	20041006 20040129 20030129

Fulltext Word Count: 23605
Abstract:

[00000] This invention relates to vaccines and methods for protecting dogs against disease caused by %Bordetella% %bronchiseptica%. This invention relates to vaccines and methods for protecting dogs against disease caused by Leptospira bratislava. This invention also`relates to combination vaccines and methods for protecting dogs against disease or disorder caused by canine pathogens, for example, infectious tracheobronchitis caused by %Bordetella% %bronchiseptica%, canine distemper caused by canine distemper (CD) virus, infectious canine hepatitis (ICH) caused by canine adenovirus type 1 (CAV-1), respiratory disease caused by canine adenovirus type 2 (CAV-2), canine parainfluenza caused by canine parainfluenza (CPI) virus, enteritis caused by canine coronavirus (CCV) and canine parvovirus (CPV), and leptospirosis caused by Leptospira bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterohaemorrhagiae or Leptospira pomona.

3/3,AB/6 (Item 3 from file: 654) DIALOG(R)File 654:US Pat.Full.

(c) Format only 2006 Dialog. All rts. reserv.

0005805981 .

Derwent Accession: 2004-580858

Canine vaccines against &Bordetella% &bronchiseptica%

Inventor: Dominowski, Paul, INV

Frantz, Joseph, INV Krebs, Richard, INV Shields, Shelly, INV Sorensen, Robert, INV

Correspondence Address: SCULLY SCOTT MURPHY & PRESSER, PC, 400 GARDEN CITY PLAZA, GARDEN CITY, NY, 11530

	Publication Number Kind		Date	Application Number	Filing Date
Main Patent	US 20040185062	A1	20040923	US 2004767809	20040129
Provisional			,	US 60-443418	20030129

Fulltext Word Count: 20075

### . Abstract:

This invention relates to vaccines and methods for protecting dogs against disease caused by %Bordetella% %bronchiseptica%. This invention also relates to combination vaccines and methods for protecting dogs against disease or disorder caused by canine pathogens, for example, infectious tracheobronchitis caused by %Bordetella% %bronchiseptica%, canine distemper caused by canine distemper (CD) virus, infectious canine hepatitis (ICH) caused by canine adenovirus type 1 (CAV-1), respiratory disease caused by canine adenovirus type 2 (CAV-2), canine parainfluenza caused by canine parainfluenza (CPI) virus, enteritis caused by canine coronavirus (CCV) and canine parvovirus (CPV), and leptospirosis caused by Leptospira Bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterohaemorrhagiae or Leptospira pomona. The vaccines of the present invention include a %Bordetella% %bronchiseptica% %p68% antigen.

3/3, AB/7 (Item 4 from file: 654)

DIALOG(R) File 654:US Pat. Full.

(c) Format only 2006 Dialog. All rts. reserv.

4224834

Derwent Accession: 1991-126587

Utility

CERTIFICATE OF CORRECTION

C/ Polypeptides and vaccines for Bordetellapertussis and method of use

Inventor: Charles, Ian George, Kent, GB

Fairweather, Neti Fraser, Kent, GB Assignee: Medeva Pharma Limited(03), Surrey, GB

Medeva Pharma Ltd GB (Code: 51377)

Examiner: Budens, Robert D. (Art Unit: 168)

Law Firm: Nixon & Vanderhye P.C.

	Publication Number	Kind	Date	A	oplication Number	Filing Date
Main Patent Continuation Continuation Continuation Continuation Priority	US 5976544 Abandoned Abandoned Abandoned Abandoned	A A	19991102	US US US US GB	95474386 94247544 9348059 91798045 90576589 8919940 9011358	19950607 19940523 19930419 19911127 19900904 19890904 19900521

Fulltext Word Count: 7417

#### Abstract:

A polypeptide for use in a vaccine against Bordetella pertussis, B. parapertussis or B. bronchiseptica contains an epitope selected from (a) the amino acid sequence coded for by nucleotides 1885 to 1902 of the P.69 gene of B. pertussis CN2992; (b) the corresponding amino acid sequence of another strain of B. pertussis or of a strain of B.parapertussis or B. bronchiseptica; and (c) a modified version of sequence (a) or (b) which has substantially the same antigenicity. The polypeptide is no more than 50 amino acid residues long or is a chimaeric protein composed of a carrier protein sequence and a sequence of no more than 50 amino acid residues which contains the required epitope.

residues which contains the required epitope. 3/3, AB/8 (Item 1 from file: 399) DIALOG(R) File 399:CA SEARCH(R) (c) 2006 American Chemical Society. All rts. reserv. CA: 145(21)417017v PATENT Formulations and process for production of Bordetella bronchiseptica p68 antigen and vaccines INVENTOR(AUTHOR): Dominowski, Paul Joseph; Frantz, Joseph Claude; Galvin, Jeffrey Ernest; Krebs, Richard Lee; Shields, Shelly Lynn; Sorensen, Robert Greg LOCATION: USA ASSIGNEE: Pharmacia & Upjohn Company LLC PATENT: PCT International; WO 2006106424 A2 DATE: 20061012 APPLICATION: WO 2006IB946 (20060328) \*US 2005PV699277 (20050407) PAGES: 50pp. CODEN: PIXXD2 LANGUAGE: English PATENT CLASSIFICATIONS: CLASS: A61K-000/A DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA DESIGNATED REGIONAL: AT; BE; BG; CH ; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM 3/3, AB/9 (Item 2 from file: 399) DIALOG(R) File 399:CA SEARCH(R) (c) 2006 American Chemical Society. All rts. reserv. CA: 141(11)172866h 141172866 PATENT Bordetella bronchiseptica p68 antigen in combination with other pathogenic antigen as vaccines against canine diseases INVENTOR(AUTHOR): Dominowski, Paul Joseph; Frantz, Joseph Claude; Krebs, Richard Lee; Shields, Shelly Lynn; Sorensen, Robert-Greg LOCATION: USA ASSIGNEE: Pfizer Products Inc. PATENT: PCT International; WO 200467031 A1 DATE: 20040812 APPLICATION: WO 20041B146 (20040115) \*US PV443418 (20030129) PAGES: 78 pp. CODEN:/PIXXD2 LANGUAGE: English PATENT CLASSIFICATIONS: A61K-039/10A; A61K-039/295B; A61K-039/39B DESIGNATED COUNTRIES: AE; AE; AG; AL; AL; AM; AM; AM; AT; AT; AU; AZ; AZ; BA; BB; BG; BG; BR; BR; BW; BY; BZ; BZ; CA; CH; CN; CO; CO; CC; CR; CR; CU; CU; CZ; CZ; DE; DK; DK; DM; DZ; EC; EC; EE; EE; EG; ES; ES; FI; FI; GB; GD; GE; GE; GH; GM; HR; HR; HU; HU; ID; IL; IN; IS; JP; JP; KE; KE; KG; KG; KP; KP; KR; KR; KZ; KZ; KZ; LC; LK; LS; LS; LT; LU; LV; MA; MD;

MD; MG; MK; MN; MW; MX; MX; MZ; MZ; NA; NI

```
(Item 3 from file: 399)
 3/3, AB/10
DIALOG(R) File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
               CA: 119(3)23000q
                                   JOURNAL
  Cloning, nucleotide sequence and heterologous expression of the
  protective outer-membrane protein P.68 pertactin from Bordetella
  bronchiseptica
  AUTHOR(S): Li, Jingli; Fairweather, Neil F.; Novotny, Pavel; Dougan,
Gordon; Charles, Ian G.
  LOCATION: Wellcome Res. Lab., Beckenham/Kent, UK, BR3 3BS
  JOURNAL: J. Gen. Microbiol. DATE: 1992 VOLUME: 138 NUMBER: 8 PAGES:
1697-705 CODEN: JGMIAN ISSN: 0022-1287 LANGUAGE: English
 3/3, AB/11
               (Item 4 from file: 399)
DIALOG(R) File 399:CA SEARCH(R)
(c) 2006 American Chemical Society. All rts. reserv.
  118122975
               CA: 118(13)122975x
                                      PATENT
  Bordetella bronchiseptica outer membrane antigen
  INVENTOR (AUTHOR): Charles, Ian George
  LOCATION: UK,
  ASSIGNEE: Wellcome Foundation Ltd.
  PATENT: PCT International; WO 9217587 A1 DATE: 921015
  APPLICATION: WO 92GB561 (920327) *GB 916568 (910327)
  PAGES: 28 pp. CODEN: PIXXD2 LANGUAGE: English
  PATENT CLASSIFICATIONS:
    CLASS: C12N-015/31A; C07K-013/00B; C12N-001/21B; A61K-039/10B
  DESIGNATED COUNTRIES: JP; US DESIGNATED REGIONAL: AT; BE; CH; DE; DK; ES
; FR; GB; GR; IT; LU; MC; NL; SE
 3/3, AB/12
               (Item 1 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.
01431190
NOVEL VACCINE FORMULATIONS
NOUVELLES FORMULATIONS DE VACCINS
Patent Applicant/Assignee:
  MERIAL LIMITED, 3239 Satelite Blvd., Duluth, Georgia 30096, US, US
    (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  PARISOT Alexis Guy Andre, 371 Rue Garibaldi, F-69007 Lyon, FR, FR
    (Residence), FR (Nationality), (Designated only for: US)
  DESGOUILLES-BLECHET Stephanie Marie-Catherine, 23 Rue Henri Gorjus,
    F-69004 Lyon, FR, FR (Residence), FR (Nationality), (Designated only
    for: US)
  CHARREYRE Catherine, 42 Rue Ferdinand Gauthier, F-69720 Saint-Laurent De
    Mure, FR, FR (Residence), FR (Nationality), (Designated only for: US)
  ROULET Claude Jean Marie, 30 bis Avenue Francis de Pressense, F-69200
    Venissieux, FR, FR (Residence), FR (Nationality), (Designated only for:
Legal Representative:
  JARECKI-BLACK Judy (agent), Merial Limited, 3239 Satellite Blvd., Duluth,
    Georgia 30096, US
Patent and Priority Information (Country, Number, Date):
  Patent:
                        WO 2006113373 A2 20061026 (WO 06113373)
  Application:
                        WO 2006US13936 20060413 (PCT/WO US2006013936)
  Priority Application: US 2005107000 20050415
```

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT. RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English Filing Language: English Fulltext Word Count: 17001

### English Abstract

The present invention relates to oil-in-water emulsions, their use as adjuvants, and pharmaceutical, immunologic, or vaccine compositions that may comprise the same. In one embodiment, the oil-in-water (OAV) emulsion may comprise an aqueous solution containing an immunogen, a mineral oil, a non-ionic lipophilic ethoxylated fatty alcohol and a non-ionic hydrophilic surfactant. In another embodiment, the oil-in-water (OAV) emulsion may comprise an aqueous solution containing an immunogen, a non-ionic lipophilic surfactant, a mineral oil and a non-ionic hydrophilic ethoxylated fatty alcohol. The present invention also encompasses a method of making a vaccine composition using the adjuvant of the instant invention, the vaccine composition so obtained and methods of use.

## French Abstract

La presente invention concerne des emulsions huile dans l'eau, leur utilisation en tant qu'additifs, et des compositions pharmaceutiques, immunologiques ou de vaccination qui comprennent ces emulsions. Dans un mode de realisation, l'emulsion huile dans l'eau (oil-in-water / OAV) peut comprendre une solution aqueuse qui contient un immunogene, une huile minerale, un alcool gras ethoxyle lipophile non ionique et un tensioactif hydrophile non ionique. Dans un autre mode de realisation, l'emulsion huile dans l'eau (OAV) peut comprendre une solution aqueuse contenant un immunogene, un tensioactif lipophile non ionique, une huile minerale et un alcool gras ethoxyle hydrophile non ionique. L'invention a egalement pour objet un procede pour produire une composition de vaccination au moyen de l'additif de l'invention, la composition ainsi obtenue, et des procedes d'utilisation.

3/3,AB/13 (Item 2 from file: 349) DIALOG(R)File 349:PCT FULLTEXT (c) 2006 WIPO/Thomson. All rts. reserv.

### 01426023

FORMULATIONS AND PROCESS FOR PRODUCTION OF %BORDETELLA% %BRONCHISEPTICA% %P68% ANTIGEN AND VACCINES

FORMULATIONS ET PROCEDE DE PRODUCTION DE L'ANTIGENE %P68% NATIF DE %BORDETELLA% %BRONCHISEPTICA% %P68% ET DE FABRICATION DE VACCINS Patent Applicant/Assignee:

PHARMACIA & UPJOHN COMPANY LLC, 7000 Portage Road, Kalamazoo, MI 49001-0199, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

DOMINOWSKI Paul Joseph, Pfizer Global Research and Development, 7000 Portage Road, Kalamazoo, MI 49001-0199, US, US (Residence), US (Nationality), (Designated only for: US)

FRANTZ Joseph Claude, Pfizer Global Research and Development, European

Patent Department, Ramsgate Road, Sandwich, Kent CT13 9NJ, US, US (Residence), US (Nationality), (Designated only for: US)

GALVIN Jeffrey Ernest, Pfizer Global Research and Development, 7000 Portage Road, Kalamazoo, MI 49001-0199, US, US (Residence), US (Nationality), (Designated only for: US)

KREBS Richard Lee, Pfizer Global Research and Development, 7000 Portage Road, Kalamazoo, MI 49001-0199, US, US (Residence), US (Nationality), (Designated only for: US)

SHIELDS Shelly Lynn, Pfizer Global Research and Development, 7000 Portage Road, Kalamazoo, MI 49001-0199, US, US (Residence), US (Nationality), (Designated only for: US)

SORENSEN Robert Greg, Pfizer Global Reserach and Development, Henrietta Street, Kalamazoo, MI 49007, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

FULLER Grover F Jr (agent), c/o Drouin, Stephane, Pfizer Global Research, and Development, Ramsgate Road, Kent CT13 9NJ, GB

Patent and Priority Information (Country, Number, Date):

Patent: WO 2006106424 A2 20061012 (WO 06106424)
Application: WO 2006IB946 20060328 (PCT/WO IB2006000946)

Priority Application: US 2005699277 20050407

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English Filing Language: English Fulltext Word Count: 15601

## English Abstract

The present invention comprises new formulations and a process for making such formulations for vaccine compositions comprising a %Bordetella% %bronchiseptica% %p68% antigen.

## French Abstract

Cette invention concerne de nouvelles formulations ainsi qu'un procede de fabrication desdites formulations destinees a des compositions de vaccins comprenant un antigene %p68% natif de %Bordetella% %bronchiseptica%.

3/3,AB/14 (Item 3 from file: 349) DIALOG(R)File 349:PCT FULLTEXT (c) 2006 WIPO/Thomson. All rts. reserv.

## 01355873

MULTIVALENT CANINE VACCINES AGAINST LEPTOSPIRA BRATISLAVA AND OTHER PATHOGENS

VACCINS CANINS MULTIVALENTS CONTRE %BORDETELLA% %BRONCHISEPTICA% ET AUTRES AGENTS PATHOGENES

Patent Applicant/Assignee:

PFIZER PRODUCTS INC, Eastern Point Road, Groton, CT 06340, US, US (Residence), US (Nationality), (For all designated states except: US) Patent Applicant/Inventor:

FRANTZ Joseph, c/o Pfizer Inc., 601 West Cornhusker Highway, Lincoln, NE 68501, US, US (Residence), US (Nationality), (Designated only for: US)

NEWBY Thomas Jack, c/o Pfizer Inc., 601 West Cornhusker Highway, Lincoln, NE 68501, US, US (Residence), US (Nationality), (Designated only for: US)

TUCKER Cassius McAllister, c/o Pfizer Global Research and Development, 301 Henrietta Street, Kalamazoo, MI 49001, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

FULLER Grover F et al (agent), c/o DROUIN, Stephane, European Pharma Patent Department, Pfizer Global Research and Development, Ramsgate Road, Sandwich, Kent CT13 9NJ, GB

Patent and Priority Information (Country, Number, Date):

Patent: WO 200638115 A1 20060413 (WO 0638115)

Application: WO 2005IB3111 20050923 (PCT/WO IB2005003111)

Priority Application: US 2004959757 20041006

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU LV MC NL PL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English Fulltext Word Count: 31106

## English Abstract

This invention relates to vaccines and methods for protecting dogs against disease caused by Leptospira bratislava. This invention also relates to combination vaccines and methods for protecting dogs against disease or disorder caused by canine pathogens, for example, infectious tracheobronchitis caused by %Bordetella% %bronchiseptica%, canine distemper caused by canine distemper (CD) virus, infectious canine hepatitis (ICH) caused by canine adenovirus type 1 (CAV-1), respiratory disease caused by canine adenovirus type 2 (CAV-2), canine parainfluenza caused by canine parainfluenza (CPI) virus, enteritis caused by canine coronavirus (CCV) and canine parvovirus (CPV), and leptospirosis caused by Leptospira bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterohaemorrhagiae or Leptospira pomona.

## French Abstract

L'invention concerne des vaccins et des methodes de protection de chiens contre une maladie provoquee par la bordetellose feline. (%Bordetella% %bronchiseptica%). Cette invention a aussi pour objet des melanges de vaccins et des methodes de protection de chiens contre une maladie ou un trouble provoque par des agents pathogenes canins, par exemple, une tracheo-bronchite infectieuse causee par la bordetellose feline, la maladie de Carre engendree par le virus de cette meme maladie, une hepatite canine infectieuse causee par l'adenovirus canin de type 1(CAV-1), une maladie respiratoire provoquee par l'adenovirus canin de type 2 (CAV-2), la parainfluenza canine engendree par le virus de la parainfluenza canine, l'enterite provoquee par le coronavirus canin et le parvovirus canin, et la leptospirose causee par Leptospira bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterohaemorrhagiae ou Leptospira pomona.

3/3,AB/15 (Item 4 from file: 349) DIALOG(R)File 349:PCT FULLTEXT

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#### 01146763

CANINE VACCINES AGAINST BORDETELLA BRONCHISEPTICA VACCINS CANINS CONTRE LA <I>BORDETELLA BRONCHISEPTICA</I>Patent Applicant/Assignee:

PFIZER PRODUCTS INC, Eastern Point Road, Groton, CT 06340, US, US (Residence), US (Nationality), (For all designated states except: US) Patent Applicant/Inventor:

DOMINOWSKI Paul Joseph, Pfizer Global Research and Development, 301 Henrietta Street, Kalamazoo, MI 49001, US, US (Residence), US (Nationality), (Designated only for: US)

FRANTZ Joseph Claude, Pfizer Inc, 601 West Cornhusker Highway, Lincoln, NE 68501, US, US (Residence), US (Nationality), (Designated only for: US)

KREBS Richard Lee, Pfizer Inc, 601 West Cornhusker Highway, Lincoln, NE 68501, US, US (Residence), US (Nationality), (Designated only for: US) SHIELDS Shelly Lynn, Pfizer Global Research and Development, 301

Henrietta Street, Kalamazoo, MI 49001, US, US (Residence), US (Nationality), (Designated only for: US)

SORENSEN Robert Greg, Pfizer Inc, 601 West Cornhusker Highway, Lincoln, NE 68501, US, US (Residence), US (Nationality), (Designated only for: US)

# Legal Representative:

LUMB J Trevor (agent), Pfizer Global Research And Development, Uk Patent Department, Ramsgate Road, Sandwich, Kent CT13 9NJ, GB,

Patent and Priority Information (Country, Number, Date):

Patent:

WO 200467031 A1 20040812 (WO 0467031) WO 2004IB146 20040115 (PCT/WO IB04000146)

Application: WO 2004IB146 20040115 Priority Application: US 2003443418 20030129

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English Filing Language: English

Fulltext Word Count: 22608

## English Abstract

This invention relates to vaccines and methods for protecting dogs against disease caused by Bordetella bronchiseptica. This invention also relates to combination vaccines and methods for protecting dogs against disease or disorder caused by canine pathogens, for example, infectious tracheobronchitis caused by Bordetella bronchiseptica, canine distemper caused by canine distemper (CD) virus, infectious canine hepatitis (ICH) caused by canine adenovirus type 1 (CAV-1), respiratory disease caused by canine adenovirus type 2 (CAV-2), canine parainfluenza caused by canine parainfluenza (CPI) virus, enteritis caused by canine coronavirus (CCV) and canine parvovirus (CPV), and leptospirosis caused by Leptospira Bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterohaemorrhagiae or Leptospira pomona. The vaccines of the present invention include a Bordetella bronchiseptica p68 antigen.

## French Abstract

L'invention concerne des vaccins et des procedes permettant de proteger les chiens contre la maladie provoquee par la Bordetella Bronchiseptica.

Elle concerne egalement des vaccins de combinaison et des procedes pour proteger les chiens contre la maladie ou des troubles provoques par des pathogenes canins, par exemple, la tracheobronchite infectieuse provoquee par la Bordetella Bronchiseptica, la maladie de Carre provoquee par le virus (CDV), l'hepatite canine infectieuse (ICH) provoquee par l'adenovirus canin type 1 (CAV-1), la maladie respiratoire provoquee par l'adenovirus canin type 2 (CAV-2), la parainfluenza provoquee par le virus de la parainfluenza canine (CPI), l'enterite provoquee par le coronavirus canin (CCV) et le parvovirus canin (CPV), ainsi que la leptospirose provoquee par leptospira Bratislava, leptospira grippotyphosa, leptospira icterohaemorrhagiae ou leptospira pomona. Les vaccins selon l'invention comprennent un antigene Bordotella bronchiseptica p68.

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bronchiseptica p68.
 3/3, AB/16
               (Item 5 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2006 WIPO/Thomson. All rts. reserv.
00834529
HUMAN GENES AND GENE EXPRESSION PRODUCTS
NOUVEAUX GENES HUMAINS ET LEURS PRODUITS D'EXPRESSION
Patent Applicant/Assignee:
  CHIRON CORPORATION, R-440, 4560 Horton Street, Emeryville, CA 94608, US,
    US (Residence), US (Nationality), (For all designated states except:
  HYSEQ INC, 675 Almanor Avenue, Sunnyvale, CA 94086, US, US (Residence),
    US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
  WILLIAMS Lewis T, 125 Chapel Drive, Mill Valley, CA 94920, US, US
    (Residence), US (Nationality), (Designated only for: US)
  ESCOBEDO Jaime, 1470 Lavorna Road, Alamo, CA 94507, US, US (Residence),
    CL (Nationality), (Designated only for: US)
  INNIS Michael A, 315 Constance Place, Moraga, CA 94556, US, US
    (Residence), US (Nationality), (Designated only for: US)
  GARCIA Pablo Dominguez, 882 Chenery Street, San Francisco, CA 94131, US,
    US (Residence), CL (Nationality), (Designated only for: US)
  SUDDUTH-KLINGER Julie, 280 Lexington Road, Kensington, CA 94707, US, US
    (Residence), US (Nationality), (Designated only for: US)
  REINHARD Christoph, 1633 Clinton Avenue, Alameda, CA 94501, US, US
    (Residence), DE (Nationality), (Designated only for: US)
  RANDAZZO Filippo, 104 Capricorn Avenue, Oakland, California 94611, US, US
    (Residence), US (Nationality), (Designated only for: US)
  KENNEDY Giulia C, 360 Castenada Avenue, San Francisco, CA 94116, US, US
    (Residence), US (Nationality), (Designated only for: US)
  POT David, 5550 Columbia Pike, #915, Arlington, VA 22204, US, US
    (Residence), CA (Nationality), (Designated only for: US)
  KASSAM Altaf, 3810 Midvale Avenue, Oakland, CA 94602, US, US (Residence),
    US (Nationality), (Designated only for: US)
  LAMSON George, 232 Sandringham Drive, Moraga, CA 94556, US, US
    (Residence), US (Nationality), (Designated only for: US)
  DRMANAC Radoje, 850 East Greenwich Place, Palo Alto, CA 94303, ÚS, US
    (Residence), YU (Nationality), (Designated only for: US)
  CRKVENJAKOV Radomir, 762 Haverhill Drive, Sunnyvale, CA 94068, US, US
    (Residence), YU (Nationality), (Designated only for: US)
  DICKSON Mark, 1411 Gabilan Drive #B, Hollister, CA 95025, US, US
    (Residence), US (Nationality), (Designated only for: US)
  DRMANAC Snezana, 850 East Greenwich Place, Palo Alto, CA 94303, US, US
    (Residence), YU (Nationality), (Designated only for: US)
  LABAT Ivan, 1006 Asbury Way, Mountain View, CA 94043, US, US (Residence),
    YU (Nationality), (Designated only for: US)
  LESHKOWITZ Dena, 1 Mevo Brosh, Yehud, 56452, IL, IL (Residence), US
    (Nationality), (Designated only for: US)
  KITA David, 899 Bounty Drive, Foster City, CA 94404, US, US (Residence),
```

US (Nationality), (Designated only for: US)

GARCIA Veronica, 396 Ano Nuevo, Apt. 412, Sunnyvale, CA 94086, US, US

(Residence), ES (Nationality), (Designated only for: US)

JONES William Lee, 396 Ano Nuevo #412, Sunnyvale, CA 94086, US, US

(Residence), US (Nationality), (Designated only for: US)

STACHE-CRAIN Birgit, 345 South Mary Avenue, Sunnyvale, CA 94086, US, US (Residence), DE (Nationality), (Designated only for: US)

Legal Representative:

BLACKBURN Robert P (agent), Chiron Corporation, P.O. Box 8097, Emeryville, CA 94662-8097, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200166753 A2-A3 20010913 (WO 0166753)

Application: WO 2001US7787 20010309 (PCT/WO US0107787)

Priority Application: US 2000188609 20000309

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004).

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English Fulltext Word Count: 182260

## English Abstract

This invention relates to novel human polynucleotides and variants thereof, their encoded polypeptides and variants thereof, to genes corresponding to these polynucleotides and to proteins expressed by the genes. The invention also relates to diagnostic and therapeutic agents employing such novel human polynucleotides, their corresponding genes or gene products, e.g., these genes and proteins, including probes, antisense constructs, and antibodies.

## French Abstract

L'invention porte sur de nouveaux polynucleotides humains et leurs variantes, sur les polypeptides codes par eux et leurs variantes, sur les genes correspondant a ces polynucleotides, et sur des proteines exprimees par ces genes. L'invention porte egalement sur des agents diagnostiques et therapeutiques utilisant lesdits nouveaux polynucleotides humains et les genes et produits geniques correspondants, ces genes et proteines comportant des sondes, des produits d'assemblage et des anticorps.

3/3,AB/17 (Item 1 from file: 348) DIALOG(R)File 348:EUROPEAN PATENTS

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00502608

EXPRESSION OF BORDETELLA PERTACTIN ANTIGENS IN PICHIA

EXPRESSION VON BORDETELLA ANTIGENEN IN PICHIA

EXPRESSION DES ANTIGENS DE BORDETELLA DANS LA LEVURE PICHIA

PATENT ASSIGNEE:

Medeva Pharma Limited, (1946511), Evans House, Regent Park, Kingston Road
, Leatherhead, Surrey KT22 7PQ, (GB), (applicant designated states:
 AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE)

INVENTOR:

CLARE, Jeffrey, John Langley Court, Beckenham, Kent BR3 3BS, (GB) ROMANOS, Michael, Anthony Langley Court, Beckenham, Kent BR3 3BS, (GB) LEGAL REPRESENTATIVE:

Woods, Geoffrey Corlett et al (48721), J.A. KEMP & CO. 14 South Square Gray's Inn, London WC1R 5LX, (GB) PATENT (CC, No, Kind, Date): EP 527752 A1 930224 (Basic) EP 527752 B1 990512 WO 9115571 911017 EP 91906598 910328; WO 91GB487 910328 APPLICATION (CC, No, Date): PRIORITY (CC, No, Date): GB 9007416 900402 DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE INTERNATIONAL PATENT CLASS (V7): C12N-001/19; C12N-015/81; C12N-015/31; C12N-001/19; C12R-001/84 NOTE: No A-document published by EPO LANGUAGE (Publication, Procedural, Application): English; English; English FULLTEXT AVAILABILITY: Available Text Language Update Word Count CLAIMS B (English) 9919 535 CLAIMS B (German) 9919 468 CLAIMS B (French) 9919 530 SPEC B · (English) 9919 4228 Total word count - document A 0 Total word count - document B 5761 Total word count - documents A + B 5761 3/3, AB/18 (Item 1 from file: 357) DIALOG(R) File 357: Derwent Biotech Res. (c) 2006 The Thomson Corp. All rts. reserv. 0346818 DBR Accession No.: 2004-19110 PATENT New vaccine composition comprising %Bordetella% %bronchiseptica% %p68% antigen and an adjuvant, useful for immunizing dogs against canine pathogens, e.g., %Bordetella% %bronchiseptica%, canine distemper virus or Leptospira Pomona - recombinant vaccine production AUTHOR: DOMINOWSKI P J; FRANTZ J C; KREBS R L; SHIELDS S L; SORENSEN R PATENT ASSIGNEE: PFIZER PROD INC 2004 PATENT NUMBER: WO 200467031 PATENT DATE: 20040812 WPI ACCESSION NO.: 2004-580858 (200456)

PRIORITY APPLIC. NO.: US 443418 APPLIC. DATE: 20030129 NATIONAL APPLIC. NO.: WO 2004IB146 APPLIC. DATE: 20040115

LANGUAGE: English ABSTRACT: DERWENT ABSTRACT: NOVELTY - A new vaccine composition comprises %Bordetella% %bronchiseptica% %p68% antigen and an adjuvant effective to protect dogs against %Bordetella% %bronchiseptica%. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a method of protecting dogs against %Bordetella% %bronchiseptica%. BIOTECHNOLOGY -Preferred Vaccine Composition: The vaccine composition comprises %Bordetella% %bronchiseptica% %p68% antigen and an adjuvant effective to protect dogs against %Bordetella% %bronchiseptica%. The %Bordetella% %bronchiseptica% %p68% antigen comprises the 602-amino acid sequence and is produced recombinantly. The adjuvant comprises Quil A and cholesterol. The vaccine is a combination vaccine for immunizing dogs against canine pathogens and comprises: (a) a preparation of an attenuated strain of canine distemper (CD) virus, an attenuated strain of canine adenovirus type 2 (CAV-2), an attenuated strain of canine parainfluenza (CPI) virus and an attenuated strain of canine parvovirus (CPV); (b) an inactivated whole or partial cell preparation of a strain of canine coronavirus (CCV); (c) a %Bordetella% %bronchiseptica% %p68% protein; (d) a Leptospira bacterin comprising a Leptospira cell preparation of at least one Leptospira species consisting of Leptospira ippotyphosa, Leptospira bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterhaemorrhagiae and Leptospira Pomona; and (e) an adjuvant. Preferred Method: Protecting dogs against %Bordetella% %bronchiseptica% comprises administering to a dog the vaccine

composition. ACTIVITY - Virucide. The experimental vaccine antigen was a recombinant %p68% outer membrane protein comprising 602-amino acid sequence of the %Bordetella% %bronchiseptica% produced by Escherichia coli strain LW68. Sixty male and female canine puppies were randomly allocated to one of six treatment groups (10 per group). Animals were vaccinated on Day 0 with either the placebo or the experimental vaccine. A second vaccine was administered on Day 21. The first vaccine was administered subcutaneously in the right neck and the second vaccine was administered subcutaneously in the left neck. All animals were challenged 28 days after the second vaccination with an aerosol of &Bordetella% &bronchiseptica%. The vaccinated dogs coughed significantly less than the placebo. MECHANISM OF ACTION - Vaccine. USE - The vaccine is useful for immunizing dogs against canine pathogens, e.g., canine (CD) virus, canine adenovirus type 2 (CAV-2), canine distemper parainfluenza (CPI) virus, canine parvovirus (CPV), canine coronavirus (CCV), %Bordetella% %bronchiseptica%, Leptospira ippotyphosa, Leptospira bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterhaemorrhagiae or Leptospira Pomona. ADMINISTRATION -Dosage comprises 15-25 micrograms/kg body weight. The composition is administered via oral or parenteral route. EXAMPLE - No relevant examples given. (78 pages)

3/3, AB/19 (Item 1 from file: 340) DIALOG(R) File 340:CLAIMS(R)/US Patent (c) 2006 IFI/CLAIMS(R). All rts. reserv.

Dialog Acc No: 11302609 IFI Acc No: 2006-0251674

IFI Publication Control No: 2006-0251674 IFI Chemical Acc No: 2006-0056713

Document Type: C

FORMULATIONS AND PROCESS FOR PRODUCTION OF \*BORDETELLA\* \*BRONCHISEPTICA\* %P68% ANTIGEN AND VACCINES

Inventors: Dominowski Paul J (US); Frantz Joseph C (US); Galvin Jeffrey E (US); Krebs Richard L (US); Shields Shelly L (US); Sorensen Robert Greg (US)

Assignee: Unassigned Or Assigned To Individual

Assignee Code: 68000

Attorney, Agent or Firm: PHARMACIA & UPJOHN, 7000 Portage Road, KZO-300-104 , KALAMAZOO, MI, 49001, US

Publication (No, Kind, Date), Applic (No, Date): US 20060251674 Al 20061109 US 2006393602 20060330

Priority Applic(No, Date): US 2006393602 20060330

Provisional Applic(No, Date): US 60-669277 20050407

Abstract: The present invention comprises new formulations and a process for making such formulations for vaccine compositions comprising a %Bordetella% %bronchiseptica% %p68% antigen.

3/3, AB/20 (Item 2 from file: 340) DIALOG(R)File 340:CLAIMS(R)/US Patent (c) 2006 IFI/CLAIMS(R). All rts. reserv.

Dialog Acc No: 10677823

IFI Chemical Acc No: 2004-0052771

Document Type: C

CANINE VACCINES AGAINST %BORDETELLA% %BRONCHISEPTICA%; COMPRISING **\*BORDETELLA% \*BRONCHISEPTICA\* \*P68\* ANTIGEN AND ADJUVANT; VETERINARY** MEDICINE

Inventors: Dominowski Paul J (US); Frantz Joseph C (US); Krebs Richard L (US); Shields Shelly L (US); Sorensen Robert Greg (US)

Assignee: Unassigned Or Assigned To Individual

Assignee Code: 68000

Probable Assignee: Pfizer Inc

Attorney, Agent or Firm: SCULLY SCOTT MURPHY & PRESSER, PC, 400 GARDEN CITY PLAZA, GARDEN CITY, NY, 11530, US

Publication (No, Kind, Date), Applic (No, Date):

US 20040185062 A1 20040923 US 2004767809 20040129 Priority Applic(No, Date): US 2004767809 20040129 Provisional Applic(No, Date): US 60-443418 200301

Abstract: This invention relates to vaccines and methods for protecting dogs against disease caused by %Bordetella% %bronchiseptica%. This invention also relates to combination vaccines and methods for protecting dogs against disease or disorder caused by canine pathogens, for example, infectious tracheobronchitis caused by %Bordetella% %bronchiseptica%, canine distemper caused by canine distemper (CD) virus, infectious canine hepatitis (ICH) caused by canine adenovirus type 1 (CAV-1), respiratory disease caused by canine adenovirus type 2 (CAV-2), canine parainfluenza caused by canine parainfluenza (CPI) virus, enteritis caused by canine coronavirus (CCV) and canine parvovirus (CPV), and leptospirosis caused by Leptospira Bratislava, Leptospira canicola, Leptospira grippotyphosa, Leptospira icterohaemorrhagiae or Leptospira pomona. The vaccines of the present invention include a %Bordetella% %bronchiseptica% %p68% antigen.

3/3,AB/21 (Item 3 from file: 340) DIALOG(R)File 340:CLAIMS(R)/US Patent (c) 2006 IFI/CLAIMS(R). All rts. reserv.

Dialog Acc No: 3227267 IFI Acc No: 9937024

IFI Publication Control No: 9937024

Document Type: C

POLYPEPTIDES AND VACCINES FOR BORDETELLAPERTUSSIS AND METHOD OF USE Inventors: Charles Ian George (GB); Fairweather Neti Fraser (GB)

Assignee: Medeva Pharma Ltd GB

Assignee Code: 51377

Attorney, Agent or Firm: Nixon & Vanderhye P.C. Publication (No, Kind, Date), Applic (No, Date):

US 5976544 A 19991102 US 95474386 19950607

Calculated Expiration: 20161102 (Cited in 001 later patents)

Document Type: CERTIFICATE OF CORRECTION Certificate of Correction Date: 20000808

Priority Applic(No, Date): GB 8919940 19890904; GB 9011358

19900521

Abstract: A polypeptide for use in a vaccine against Bordetella pertussis, B. parapertussis or B. bronchiseptica contains an epitope selected from (a) the amino acid sequence coded for by nucleotides 1885 to 1902 of the P.69 gene of B. pertussis CN2992; (b) the corresponding amino acid sequence of another strain of B. pertussis or of a strain of B.parapertussis or B. bronchiseptica; and (c) a modified version of sequence (a) or (b) which has substantially the same antigenicity. The polypeptide is no more than 50 amino acid residues long or is a chimaeric protein composed of a carrier protein sequence and a sequence of no more than 50 amino acid residues which contains the required epitope.

3/3,AB/22 (Item 1 from file: 342)
DIALOG(R)File 342:Derwent Patents Citation Indx
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06067417 WPI Acc No: 04-580858/56

New vaccine composition comprising Bordetella bronchiseptica p68 antigen and an adjuvant, useful for immunizing dogs against canine pathogens, e.g., Bordetella bronchiseptica, canine distemper virus or Leptospira Pomona - Patent Assignee: (PFIZ ) PFIZER PROD INC

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Author (Inventor): DOMINOWSKI P J; FRANTZ J C; KREBS R L; SHIELDS S L;
    SORENSEN R G
Patent (basic)
  Patent No
             Kind Date
                                Examiner Field of Search
               A1 040812 (BASIC) None
  WO 200467031
Derwent Week (Basic): 0456
Priority Data: US 443418P (030129)
Applications: AU 2004208556 (040115); BR 20047032 (040115); EP 2004702384
    (040115); WO 2004IB146 (040115); JP 2005518725 (040115); US 767809 (
    040129); US 959757 (041006); MX 8051 (050728); ZA 20056073 (050728); NO
    20053734 (050803)
Designated States
   (National): AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA;
     CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE
     ; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
     LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG
     ; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT;
    TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW
   (Regional): AL; AT; BE; BG; BW; CH; CY; CZ; DE; DK; EA; EE; ES; FI; FR;
     GB; GH; GM; GR; HU; IE; IT; KE; LI; LS; LT; LU; LV; MC; MK; MW; MZ; NL
     ; OA; PT; RO; SD; SE; SI; SK; SL; SZ; TR; TZ; UG; ZM; ZW
Derwent Class: B04; C06; D16
Int Pat Class: A61K-039/02; A61K-039/10; A61K-039/155; A61K-039/175;
    A61K-039/215; A61K-039/23; A61K-039/235; A61K-039/295; A61K-039/39;
    A61K-047/26; A61K-047/28
Number of Patents: 010
Number of Countries: 109
Number of Cited Patents: 005
Number of Cited Literature References: 004
Number of Citing Patents: 002
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\*\* DIALINDEX search results display in an abbreviated \*\*\* \*\*\* format unless you enter the SET DETAIL ON command. \*\*\* ? sf allscience You have 297 files in your file list. (To see banners, use \$HOW FILES command) ? s bordetella (1w) bronchiseptica Your SELECT statement is: s bordetella (lw) bronchiseptica Items File 2: INSPEC\_1898-2006/Nov W1 1 1385 7 6: NTIS 1964-2006/Nov W1 8 8: Ei Compendex(R) 1884-2006/Nov W1

5: Biosis Previews(R)\_1969-2006/Nov W2 529 10: AGRICOLA\_70-2006/Nov 1 15: ABI/Inform(R) 1971-2006/Nov 18 4 16: Gale Group PROMT(R) 1990-2006/Nov 20 3 18: Gale Group F&S Index(R) 1988-2006/Nov 20 19: Chem.Industry Notes\_1974-2006/ISS 200646 2 20: Dialog Global Reporter 1997-2006/Nov 17 566 24: CSA Life Sciences Abstracts 1966-2006/Oct 2 28: Oceanic Abstracts 1966-2006/Oct 735 34: SciSearch(R) Cited Ref Sci\_1990-2006/Nov W2 40 35: Dissertation Abs Online\_1861-2006/Oct 2 36: MetalBase 1965-20061114 45: EMCare\_2006/Nov W2 12 5 47: Gale Group Magazine DB(TM) 1959-2006/Nov 20 1473 .50: CAB Abstracts 1972-2006/Oct 8 51: Food Sci.&Tech.Abs 1969-2006/Nov W2 52: TSCA Chemical Substances Inventory 2003/OCT 1 65: Inside Conferences 1993-2006/Nov 17 33 71: ELSEVIER BIOBASE 1994-2006/Nov W2 269 720 73: EMBASE 1974-2006/Nov 17 12 74: Int.Pharm.Abs 1970-2006/Nov B2 Examined 50 files 91: MANTIS(TM)\_1880-2006/Jan 2 92: IHS Intl.Stds.& Specs. 1999/Nov 94: JICST-EPlus\_1985-2006/ $\overline{J}$ ul W5 79 35 98: General Sci Abs\_1984-2006/Oct 103: Energy SciTec\_1974-2006/Sep B1 6 1 107: Adis R&D Insight 1986-2006/Sep W1 1 113: European R&D Database 1997 2 124: CLAIMS/REFERENCE 2001/2005Q4 1 128: PHARMAPROJECTS\_1980-2006/Oct W5 129: PHIND(Archival)\_1980-2006/Nov W2 122 135: NewsRx Weekly Reports\_1995-2006/Nov W2 18 73 143: Biol. & Agric. Index\_1983-2006/Sep 461 144: Pascal 1973-2006/Oct W4 148: Gale Group Trade & Industry DB\_1976-2006/Nov 20 25 149: TGG Health&Wellness DB(SM)\_1976-2006/Nov W1 915 155: MEDLINE(R)\_1950-2006/Nov 14 156: ToxFile 1965-2006/Nov W1 158 160: Gale Group PROMT(R) 1972-1989 162: Global Health  $1983-\overline{2006}/Oct$ 120 164: Allied & Complementary Medicine\_1984-2006/Nov 172: EMBASE Alert\_2006/Nov 17 6 Examined 100 files 177: Adv. & Agency Red Books: Advertisers\_2006/Nov 180: Federal Register 1985-2006/Nov 17 28 183: Regulatory Affairs Journals\_2003-2006/Nov 17 14 185: Zoological Record Online(R) 1978-2006/Nov 203: AGRIS 1974-2006/Sep 360

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2
            229: Drug Info. Fulltext 2002
            266: FEDRIP 2006/Aug
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            285: BioBusiness(R) 1985-1998/Aug W1
            292: GEOBASE (TM) 1980-2006/Nov W1
            302: INDEX CHEMICUS 1993-200646
            305: Analytical Abstracts 1980-2006/Nov W1
       10
            315: ChemEng & Biotec Abs 1970-2006/Oct
Examined 150 files
       17
            324: German Patents Fulltext 1967-200645
            331: Derwent WPI First View
                                          UD=200673
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            340: CLAIMS(R)/US Patent_1950-06/Nov 16
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            344: Chinese Patents Abs Jan 1985-\overline{2006}/Jan
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       37
            345: Inpadoc/Fam. & Legal Stat 1968-2006/UD=200646
       21 .
            347: JAPIO Dec 1976-2006/Jul (Updated 061116)
            348: EUROPEAN PATENTS_1978-2006/ 200646
      158
            349: PCT FULLTEXT_1979-2006/UB=20061116UT=20061109
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            355: Derwent Chemistry Resource UD=200671
            357: Derwent Biotech Res. 1982-2006/Nov W3
      125
            358: Current BioTech Abs \overline{19}83-2006/Jan
       10
            359: Chemical Economics Handbook 2000/Jul
            369: New Scientist 1994-2006/Sep W2
        6
            371: French Patents 1961-2002/BOPI 200209
      430
            390: Beilstein Facts 2006/Q3
            393: Beilstein Abstracts_2006/Q3
       - 6
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            398: Chemsearch 1957-2006/Oct
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            399: CA SEARCH(R) 1967-2006/UD=14521
      406
            434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
            440: Current Contents Search(R) 1990-2006/Nov 16
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            441: ESPICOM Pharm&Med DEVICE NEWS 2006/May W4
            444: New England Journal of Med. 1\overline{9}85-2006/Nov W1
        1
            452: Drug Data Report 1992-2006/Aug
        7
            453: Drugs of the Future 1990-2006/Aug
            459: Daily Essentials (Archival)_1996-2006/Nov W2
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Examined 200 files
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            484: Periodical Abs Plustext 1986-2006/Nov W2
            621: Gale Group New Prod. Annou. (R) _ 1985-2006/Nov 17
            624: McGraw-Hill Publications 1985-2006/Nov 17
Examined 250 files
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            636: Gale Group Newsletter DB(TM) 1987-2006/Nov 20
            649: Gale Group Newswire ASAP(TM) 2006/Nov 06
       21
            652: US Patents Fulltext 1971-1975
            654: US Pat.Full. 1976-2\overline{0}06/Nov 16
            670: LitAlert 1973-2006/UD=200645
            763: Freedonia Market Res. 1990-2006/Nov
            764: BCC Market Research 1989-2006/Oct
            813: PR Newswire 1987-1999/Apr 30
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96 files have one or more items; file list includes 297 files.